

## CLAIMS

1. An electric potential therapy apparatus for generating a negative electric field by applying a high-voltage alternating current that is biased to a negative side, to an electric field generating plate electrode, comprising:

a voltage change pattern storing means for storing a plurality of voltage change patterns on which a voltage is changed with time;

a voltage change pattern selecting means for selecting one from the plurality of voltage change patterns stored in the voltage change pattern storing means; and

an alternating current generating circuit which reads the voltage change pattern selected by the voltage change pattern selecting means, from the voltage change pattern storing means and generates a high-voltage alternating current of which a voltage varies in accordance with the voltage change pattern.

2. An electric potential therapy apparatus for generating a negative electric field by applying a high-voltage alternating current that is biased to a negative side, to an electric field generating plate electrode, comprising:

a waveform change pattern storing means for storing a plurality of waveform change patterns on which a waveform is changed with time;

a waveform change pattern selecting means for selecting one from the plurality of waveform change patterns stored in the waveform change pattern storing means; and

an alternating current generating circuit which reads  
5 the waveform change pattern selected by the waveform change pattern selecting means, from the waveform change pattern storing means and generates a high-voltage alternating current of which a waveform varies in accordance with the waveform change pattern.

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3. An electric potential therapy apparatus for generating a negative electric field by applying a high-voltage alternating current that is biased to a negative side, to an electric field generating plate electrode, comprising:

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a frequency change pattern storing means for storing a plurality of frequency change patterns on which a frequency is changed with time;

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a frequency change pattern selecting means for selecting one from the plurality of frequency change patterns stored in the frequency change pattern storing means; and

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an alternating current generating circuit which reads the frequency change pattern selected by the frequency change pattern selecting means, from the frequency change pattern storing means and generates a high-voltage alternating current of which a frequency varies in accordance with the

frequency change pattern.

4. An electric potential therapy apparatus for generating a negative electric field by applying a high-voltage alternating current that is biased to a negative side, to an electric field generating plate electrode, comprising:

an alternating current pattern storing means for storing a plurality of alternating current patterns each of which is prepared by combination of a voltage, a waveform and a frequency, each of which is changing with time;

an alternating current pattern selecting means for selecting one from the plurality of alternating current patterns stored in the alternating current pattern storing means; and

an alternating current generating circuit which reads the alternating current pattern selected by the alternating current pattern selecting means, from the alternating current pattern storing means and generates a high-voltage alternating current of which a voltage, a waveform and a frequency vary in accordance with the alternating current change pattern.

5. The electric potential therapy apparatus according to Claim 1, wherein the voltage change patterns are not of a rectangular wave pattern.

6. The electric potential therapy apparatus according to Claim 4, wherein the alternating current patterns are not of a rectangular wave pattern.

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7. The electric potential therapy apparatus according to Claim 5 or 6, wherein the switching of voltage is implemented by increase or decrease of voltage at steps of 90 to 110 V per second.

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8. The electric potential therapy apparatus according to Claims 1 to 7, further comprising a massage unit.

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9. The electric potential therapy apparatus according to Claim 8, wherein the massage unit includes kneading rollers moving up and down in a backrest and a footrest having a roller massager.

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10. The electric potential therapy apparatus according to Claims 1 to 9, further comprising an ion generator.